

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2020 Levee Inspection Results

Reclamation District No. 2085 Kasson

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Reclamation District No. 2085 Kasson

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Left	5.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/1/2020 - 4/1/2020			
DWR Inspector	Alberto De Leon			
Accompanied By	Ralph Timan RD2085			
	Daniel de Graaf, PE Provost and Pritchard Consulting			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD2085_01_s_2013_7				
Comment Code					
Inspector Comment					
The O&M Manual is available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_RD2085_01_s_2013_9				
Comment Code					
Inspector Comment					
Flood fighting supplies are available at the River Club.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_RD2085_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA has a flood fighting plan and training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	0.53	Rating **	A/W	Issue No.	60	
LM End	0.53	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.723415 °	37.723415 °	
				-121.298596 °	-121.298596 °	
DWR ID	20677					
Comment Code						
Inspector Comment						
DS_ID:20677 FS_ID:52493 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pipe has been removed by LMA.Previous:Pipe abandoned. Erosion around pipe on WS slope. Pipe severely corroded. Pier badly damaged. FIELD_STRUCT_DESC: *REMOVED* 14-inch steel drainage pipe through the levee, 4.5 feet below the crown. Pump on pile structure in ditch on the landside (LS). Siphon breaker in corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Pipe removed by LMA. (Permit Application No. T2013179, 2014 - Surinder Sandhu, submitted to CVFPB. Permit was not needed per CVFPB review). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 0.47)]. FS Date: 9/5/2013						

LM Start	0.53	Rating **	A/W	Issue No.	60 (cont)
LM End	0.53	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2020_52493_62262.jpg



(Pipe removed by LMA)Pipe on WS with erosion into levee slope.

Photo 2 of 3 : UCIP_SP_2020_52493_62261.jpg



Pipe removed from WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	0.53	Rating **	A/W	Issue No.	60 (cont)
LM End	0.53	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.723415 °	37.723415 °	
			-121.298596 °	-121.298596 °	
DWR ID	20677				

Photo 3 of 3 : UCIP_SP_2020_52493_62260.jpg



Siphon breaker in 24-inch CMP riser on WS shoulder was removed by LMA.

LM Start	0.54	Rating **	C	Issue No.	23
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.723338 °	37.721282 °
				-121.298295 °	-121.295377 °
DWR ID	DWR_RD2085_01_f_2019_23				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.54	Rating **	C	Issue No.	22
LM End	0.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.723338 °	37.720839 °
				-121.298295 °	-121.294885 °
DWR ID	DWR_RD2085_01_f_2019_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	0.65	Rating **	M	Issue No.	34
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.722422 °	37.722422 °
				-121.296867 °	-121.296867 °
DWR ID	DWR_RD2085_01_s_2019_34				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.69	Rating **	M	Issue No.	25
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.721996 °	37.721996 °
				-121.296180 °	-121.296180 °
DWR ID	DWR_RD2085_01_f_2019_25				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.82	Rating **	M	Issue No.	17
LM End	0.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.720639 °	37.720639 °
				-121.294644 °	-121.294644 °
DWR ID	DWR_RD2085_01_s_2020_17				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	0.86	Rating **	A/W	Issue No.	40
LM End	1.35	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			37.720010 °	37.714120 °
				-121.294420 °	-121.289560 °
DWR ID	197-123				
Comment Code					
Inspector Comment					
2017 storm damage site, Site ID No: 107 & 108, Site Designation: 197-113 & 197-123					

No Photos

LM Start	1.15	Rating **	M	Issue No.	1
LM End	1.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.715996 °	37.715996 °
				-121.291229 °	-121.291229 °
DWR ID	RD2085U01RM62.43				
Comment Code					
Inspector Comment					
Site ID: RD2085U01RM62.43 09/17/2019: No significant change has been observed at the site. The site is covered with dense and tall vegetation. 11/02/2017: The erosion was reported to DWR by LMA. The site is located at the outside of a slight river bend. Both levee slope and river bank are covered with dense vegetation.					

LM Start	1.15	Rating **	M	Issue No.	1 (cont)
LM End	1.26	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SP_2020_RD2085_113_1_20200228_00001.jpg



Looking downstream at the erosion site.

Photo 2 of 3 : SP_2020_RD2085_113_1_20200228_00002.jpg



Looking downstream at the erosion site. Note the dense vegetation and the trees at the upstream of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	1.15	Rating **	M	Issue No.	1 (cont)
LM End	1.26	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.715996 °	37.715996 °
				-121.291229 °	-121.291229 °
DWR ID	RD2085U01RM62.43				

Photo 3 of 3 : SP_2020_RD2085_113_1_20200228_00003.jpg



Close-up view of the erosion.

LM Start	1.34	Rating **	M	Issue No.	6
LM End	1.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.714265 °	37.714056 °
				-121.289641 °	-121.289069 °
DWR ID	DWR_RD2085_01_s_2012_6				
Comment Code					
DT : Ditch					
Inspector Comment					
A drainage ditch is located at the levee toe.					

Photo 1 of 1 : SP_2020_RD2085_113_6_20200228_00004.jpg



View of the ditch at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	1.35	Rating **	M	Issue No.	61	
LM End	1.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.714404 °	37.714404 °	
				-121.289469 °	-121.289469 °	
DWR ID	24055					
Comment Code						
Inspector Comment						
DS_ID:24055						
FS_ID:22285						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this modified crossing.						
FIELD_STRUCT_DESC: 12-inch steel drainage pipe through the levee, 3 feet below the crown. Pump mounted on pile structure in ditch on the landside (LS). Gate valve and siphon breaker in a 12-inch steel riser on the waterside (WS) shoulder. (Permit No. 8189, 1972 - Reclamation District No. 2085).						
FS Date: 9/10/2013						

LM Start	1.35	Rating **	M	Issue No.	61 (cont)
LM End	1.35	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2020_22285_38010.jpg



Pipe, gate valve, and siphon breaker visible on WS slope.

Photo 2 of 3 : UCIP_SP_2020_22285_38009.jpg



Pipe, pump, and walkway visible on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	1.35	Rating **	M	Issue No.	61 (cont)
LM End	1.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.714404 °	37.714404 °
				-121.289469 °	-121.289469 °
DWR ID	24055				

Photo 3 of 3 : UCIP_SP_2020_22285_38008.jpg



Pipe, gate valve, and siphon breaker visible on WS slope.

LM Start	1.40	Rating **	C	Issue No.	24
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.714114 °	37.714114 °
				-121.288617 °	-121.288617 °
DWR ID	DWR_RD2085_01_f_2018_24				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A large limb is on the landside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	1.41	Rating **	M	Issue No.	62	
LM End	1.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			37.714049 °	37.714049 °	
				-121.288426 °	-121.288426 °	
DWR ID	20679					
Comment Code						
Inspector Comment						
DS_ID:20679 FS_ID:41351 EP_NO: 3975 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. Large hole in ground over pipe on WS berm. Pipe rusted through on WS at river bank. No connection to pump on LS toe. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel drainage pipe through the levee, 4 feet below the crown. Steel plate over pipe end at pump station on the landside (LS) toe. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. (Permit No. 3975, 1962 - Glenn West Trust). [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 1.35)]. FS Date: 9/5/2013						

LM Start	1.41	Rating **	M	Issue No.	62 (cont)
LM End	1.41	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2020_41351_62268.jpg



Siphon breaker in 24-inch CMP riser on WS shoulder.

Photo 2 of 3 : UCIP_SP_2020_41351_62267.jpg



Pipe visible at bottom of ditch on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	1.41	Rating **	M	Issue No.	62 (cont)
LM End	1.41	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.714049 °	37.714049 °	
			-121.288426 °	-121.288426 °	
DWR ID	20679				

Photo 3 of 3 : UCIP_SP_2020_41351_62266.jpg



Pipe visible at bottom of ditch on LS toe.

LM Start	2.04	Rating **	M	Issue No.	63
LM End	2.04	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.708826 °	37.708826 °	
			-121.279271 °	-121.279271 °	
DWR ID	20681				

Comment Code

Inspector Comment

DS_ID:20681
 FS_ID:19423
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: This pipe is abandoned and should be done so properly.
 FIELD_STRUCT_DESC: 1 of 2: 10-inch pipe through the levee 2.0-feet below the crown. Pump mounted on pile structure in the river. Siphon breaker in 24-inch CMP riser on the LS slope. Power pole on LS toe. Wooden stairs and walkway from the berm to the pump structure. Originally included in the 1968 O&M manual.
 FS Date: 9/5/2013 8:22:24 AM

Photo 1 of 3 : UCIP_SP_2020_19423_32962.jpg



Siphon breaker in 24-inch CMP riser on LS slope. Possible gate valve at end of concrete channel on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	2.04	Rating **	M	Issue No.	63 (cont)
LM End	2.04	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.708826 °	37.708826 °	
			-121.279271 °	-121.279271 °	
DWR ID	20681				

Photo 2 of 3 : UCIP_SP_2020_19423_32961.jpg



Pipe cut at wooden pier. No pump on end of pier for this pipe.

LM Start	2.04	Rating **	M	Issue No.	63 (cont)
LM End	2.04	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_19423_32960.jpg



Power pole on LS toe.

LM Start	2.05	Rating **	M	Issue No.	18
LM End	2.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.708737 °	37.703893 °
				-121.279087 °	-121.274605 °
DWR ID	DWR_RD2085_01_s_2012_18				
Comment Code					
DT : Ditch					
Inspector Comment					
There is a concrete-lined ditch near the levee toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	2.22	Rating **	M	Issue No.	37
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.707788 °	37.707788 °
				-121.276401 °	-121.276029 °
DWR ID	DWR_RD2085_01_s_2019_37				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.26	Rating **	M	Issue No.	39
LM End	2.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.707201 °	37.707201 °
				-121.276029 °	-121.276029 °
DWR ID	DWR_RD2085_01_s_2019_39				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.36	Rating **	U	Issue No.	19
LM End	2.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.705971 °	37.705971 °
				-121.275409 °	-121.275409 °
DWR ID	DWR_RD2085_01_s_2020_19				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2085_113_19_20200402_00050.jpg



View of multiple animal burrows on landside slope. Spring 2020

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	2.53	Rating **	C	Issue No.	48
LM End	2.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.703646 °	37.702916 °
				-121.274620 °	-121.274845 °
DWR ID	FSRP-13-55				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
2017 Storm Damage Site-Erosion site repaired-Site ID No:105, Site Designation:FSRP-13-55.					

No Photos

LM Start	2.55	Rating **	C	Issue No.	43
LM End	2.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.703301 °	37.703301 °
				-121.274678 °	-121.274678 °
DWR ID	DWR_RD2085_01_f_2019_43				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	2.58	Rating **	A/W	Issue No.	20
LM End	2.58	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Underseepage Relief Wells			37.702903 °	37.702903 °
				-121.274860 °	-121.274860 °
DWR ID	DWR_RD2085_01_s_2012_20				
Comment Code					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2085_113_20_20200228_00005.jpg



View of the underseepage relief wells at the landside levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	2.65	Rating **	C	Issue No.	45
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.702011 °	37.702011 °
				-121.275312 °	-121.275312 °
DWR ID	DWR_RD2085_01_f_2019_45				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.67	Rating **	M	Issue No.	42
LM End	3.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.701649 °	37.696272 °
				-121.275478 °	-121.276869 °
DWR ID	DWR_RD2085_01_s_2019_42				
Comment Code					
FE : Fence					
Inspector Comment					
A barbed wire fence is on the landside toe.					

Photo 1 of 1 : SP_2020_RD2085_113_42_20200228_00011.jpg



View of barbed wire fence on landside toe. (Spring 2019)

LM Start	2.79	Rating **	C	Issue No.	46
LM End	2.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.700029 °	37.697803 °
				-121.276202 °	-121.277999 °
DWR ID	DWR_RD2085_01_f_2019_46				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	2.82	Rating **	M	Issue No.	64
LM End	2.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.699698 °	37.699698 °
				-121.276325 °	-121.276325 °
DWR ID	20688				
Comment Code					
Inspector Comment					
DS_ID:20688 FS_ID:19431 EP_NO: 16970 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: The wooden walkway on the WS slope is in disrepair. FIELD_STRUCT_DESC: 1 of 2: 14-inch steel irrigation pipe through the levee, 2 feet below the crown. Pump on wooden pier on the waterside (WS) slope. Siphon breaker visible next to steel bollard on the landside (LS) slope. Power pole on the LS toe. [Additional Reference(s): USACE San Joaquin O&M Manual 11, 1968, (HLM 2.74)]. FS Date: 9/5/2013					

LM Start	2.82	Rating **	M	Issue No.	64 (cont)
LM End	2.82	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2020_19431_32983.jpg



Pump on Wooden pier at WS slope.

Photo 2 of 3 : UCIP_SP_2020_19431_32982.jpg



Pipe visible under walkway on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	2.82	Rating **	M	Issue No.	64 (cont)
LM End	2.82	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.699698 °	37.699698 °	
			-121.276325 °	-121.276325 °	
DWR ID	20688				

Photo 3 of 3 : UCIP_SP_2020_19431_32981.jpg



Power pole on LS toe with possible PVC riser.

LM Start	2.83	Rating **	C	Issue No.	47
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.699545 °	37.699545 °
				-121.276389 °	-121.276389 °
DWR ID	DWR_RD2085_01_f _ 2019_47				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There are tree limbs from a dead tree on waterside slope. Fall 2019					

No Photos

LM Start	3.16	Rating **	C	Issue No.	49
LM End	3.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.695537 °	37.688705 °
				-121.276927 °	-121.276401 °
DWR ID	DWR_RD2085_01_f_2019_49				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	3.30	Rating **	M	Issue No.	65	
LM End	3.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.693618 °	37.693618 °	
				-121.277639 °	-121.277639 °	
DWR ID	20693					
Comment Code						
Inspector Comment						
DS_ID:20693 FS_ID:19433 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel storm drainage pipe through the levee, 4 feet below the crown. T-post marks location of pipe at the landside (LS) toe. Steel plate welded over pipe on the waterside (WS) slope. [Additional Reference(s): USACE San Joaquin O&M Manual 11, 1968, (HLM 3.34), As-Built Drawings available, DWG 7-4-1685]. FS Date: 9/5/2013						

LM Start	3.30	Rating **	M	Issue No.	65 (cont)
LM End	3.30	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2020_19433_32990.jpg



T-post marking pipe end on LS toe. 10-inch pipe debris on LS toe.

Photo 2 of 3 : UCIP_SP_2020_19433_32989.jpg



Pipe visible on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 2085 Kasson

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	3.42	Rating **	M	Issue No.	66
LM End	3.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.691966 °	37.691966 °
				-121.278122 °	-121.278122 °
DWR ID	20687				
Comment Code					
Inspector Comment					
DS_ID:20687 FS_ID:19435 EP_NO: 16970 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2 of 2: 10-inch steel drainage pipe through the levee, 2 feet below the crown. Appears to connect to pump 150 feet off the landside (LS) toe. Possible butterfly valve at the LS toe. Vent on the waterside (WS) shoulder. Steel plate welded over pipe end on the WS toe. FS Date: 9/5/2013					

Photo 1 of 3 : UCIP_SP_2020_19435_32993.jpg



Possible Butterfly valve at LS toe.

LM Start	3.42	Rating **	M	Issue No.	66 (cont)
LM End	3.42	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_SP_2020_19435_32992.jpg



Possible connection at pump 150-feet off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	3.42	Rating **	M	Issue No.	66 (cont)
LM End	3.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.691966 °	37.691966 °
				-121.278122 °	-121.278122 °
DWR ID	20687				

Photo 3 of 3 : UCIP_SP_2020_19435_32991.jpg



Vent on WS shoulder.

LM Start	3.62	Rating **	M	Issue No.	50
LM End	3.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.689414 °	37.689414 °
				-121.276271 °	-121.276271 °
DWR ID	DWR_RD2085_01_f _ 2019_50				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	3.80	Rating **	A/W	Issue No.	67
LM End	3.80	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			37.686976 °	37.686976 °
				-121.276838 °	-121.276838 °
DWR ID	20683				
Comment Code					
Inspector Comment					
DS_ID:20683 FS_ID:19436 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch by 30-inch reinforced concrete box drainage culvert through the levee, 12 feet below the crown. Slide gate in concrete riser on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Flap gate on the WS end. Two concrete cutoff walls. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 3.71)]. FS Date: 9/5/2013 9:49:55 AM					

Photo 1 of 3 : UCIP_SP_2020_19436_32997.jpg



Slide gate in Concrete riser on WS shoulder.

LM Start	3.80	Rating **	A/W	Issue No.	67 (cont)
LM End	3.80	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_SP_2020_19436_32996.jpg



Concrete headwall off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	3.80	Rating **	A/W	Issue No.	67 (cont)	
LM End	3.80	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			37.686976 °	37.686976 °	
				-121.276838 °	-121.276838 °	
DWR ID	20683					

Photo 3 of 3 : UCIP_SP_2020_19436_32995.jpg



Concrete U-shaped headwall on WS slope.

LM Start	3.81	Rating **	M	Issue No.	38
LM End	3.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.686774 °	37.686774 °
				-121.276810 °	-121.276810 °
DWR ID	DWR_RD2085_01_f_2018_38				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
There is a large rodent hole on the waterside slope.					

No Photos

LM Start	3.84	Rating **	M	Issue No.	21
LM End	3.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.686293 °	37.686121 °
				-121.276783 °	-121.276764 °
DWR ID	DWR_RD2085_01_s_2020_21				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	3.86	Rating **	M	Issue No.	36
LM End	4.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.686059 °	37.683882 °
				-121.276745 °	-121.275923 °
DWR ID	DWR_RD2085_01_f _ 2016_36				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2085_113_36_20200228_00010.jpg



View of the rodent holes on the levee slope.

LM Start	4.02	Rating **	C	Issue No.	51
LM End	4.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.683880 °	37.683880 °
				-121.275925 °	-121.275925 °
DWR ID	DWR_RD2085_01_f_2019_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	4.03	Rating **	M	Issue No.	68
LM End	4.03	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.683642 °	37.683642 °
				-121.275792 °	-121.275792 °
DWR ID	20684				
Comment Code					
Inspector Comment					
DS_ID:20684 FS_ID:19443 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 4 feet below the crown. Pump house on the waterside (WS) berm. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Vent on the WS toe. 2-inch galvanized iron electrical conduit at the same location. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 3.95)]. FS Date: 9/5/2013					

LM Start	4.03	Rating **	M	Issue No.	68 (cont)
LM End	4.03	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_SP_2020_19443_33002.jpg



Pumphouse and pipe visible on WS toe.

Photo 2 of 3 : UCIP_SP_2020_19443_33001.jpg



Siphon breaker on vent in 24-inch CMP riser on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	4.03	Rating **	M	Issue No.	68 (cont)
LM End	4.03	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.683642 °	37.683642 °	
			-121.275792 °	-121.275792 °	
DWR ID	20684				

Photo 3 of 3 : UCIP_SP_2020_19443_33000.jpg



Pump missing from pipe in pumphouse on WS toe.

LM Start	4.06	Rating **	C	Issue No.	52
LM End	4.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.683390 °	37.683390 °
				-121.275356 °	-121.275356 °
DWR ID	DWR_RD2085_01_f_2019_52				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.26	Rating **	C	Issue No.	53
LM End	4.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.681879 °	37.681879 °
				-121.272326 °	-121.272326 °
DWR ID	DWR_RD2085_01_f_2019_53				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	4.34	Rating **	M	Issue No.	26
LM End	4.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.681690 °	37.681690 °
				-121.270975 °	-121.270975 °
DWR ID	DWR_RD2085_01_s_2020_26				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	4.40	Rating **	C	Issue No.	33
LM End	4.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.681863 °	37.681640 °
				-121.269856 °	-121.269046 °
DWR ID	DWR_RD2085_01_s_2012_33				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	4.46	Rating **	N	Issue No.	32
LM End	4.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.681605 °	37.681605 °
				-121.268882 °	-121.268882 °
DWR ID	DWR_RD2085_01_s_2012_32				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2085_113_32_20200228_00007.jpg



11/03/2011 Large stump on landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	4.49	Rating **	C	Issue No.	28
LM End	4.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.681453 °	37.681453 °
				-121.268327 °	-121.268327 °
DWR ID	DWR_RD2085_01_f_2015_28				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	4.55	Rating **	C	Issue No.	54
LM End	4.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.681271 °	37.681271 °
				-121.267178 °	-121.267178 °
DWR ID	DWR_RD2085_01_f _ 2019_54				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.59	Rating **	C	Issue No.	55
LM End	4.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.681136 °	37.681136 °
				-121.266508 °	-121.266508 °
DWR ID	DWR_RD2085_01_f_2019_55				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	4.64	Rating **	C	Issue No.	56
LM End	4.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.680942 °	37.680740 °
				-121.265719 °	-121.265029 °
DWR ID	DWR_RD2085_01_f_2019_56				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	4.75	Rating **	C	Issue No.	57
LM End	4.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.679961 °	37.679961 °
				-121.265015 °	-121.265015 °
DWR ID	DWR_RD2085_01_f_2019_57				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.83	Rating **	A/W	Issue No.	58
LM End	4.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.678957 °	37.678957 °
				-121.265755 °	-121.265755 °
DWR ID	DWR_RD2085_01_f_2019_58				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	4.98	Rating **	C	Issue No.	44
LM End	4.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.677972 °	37.677972 °
				-121.268077 °	-121.268077 °
DWR ID	DWR_RD2085_01_s_2019_44				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There are tree limb/branches broken on the waterside slope.					

No Photos

LM Start	5.04	Rating **	C	Issue No.	59
LM End	5.08	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.677736 °	37.677388 °
				-121.269083 °	-121.269589 °
DWR ID	DWR_RD2085_01_f_2019_59				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	5.22	Rating **	A/W	Issue No.	69	
LM End	5.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			37.675271 °	37.675271 °	
				-121.269281 °	-121.269281 °	
DWR ID	20686					
Comment Code						
Inspector Comment						
DS_ID:20686 FS_ID:23060 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 30-inch reinforced concrete drainage pipe through the levee, 10 feet below the crown. Concrete U-shaped headwall on the waterside (WS) end. Two corrugated metal cutoff walls. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE San Joaquin O&M Manual 11, 1968, (HLM 5.12)]. FS Date: 9/5/2013						

LM Start	5.22	Rating **	A/W	Issue No.	69 (cont)
LM End	5.22	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2020_23060_39184.jpg



Cuts in pavement off LS toe good indicator of pipe location.

Photo 2 of 3 : UCIP_SP_2020_23060_39183.jpg



Concrete U-shaped headwall visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	5.22	Rating **	A/W	Issue No.	69 (cont)
LM End	5.22	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		37.675271 °	37.675271 °	
			-121.269281 °	-121.269281 °	
DWR ID	20686				

Photo 3 of 3 : UCIP_SP_2020_23060_39182.jpg



Concrete U-shaped headwall and flapgate visible on WS toe.

LM Start	5.23	Rating **	M	Issue No.	70
LM End	5.23	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.675244 °	37.675244 °	
			-121.269287 °	-121.269287 °	
DWR ID	24058				

Comment Code

Inspector Comment

DS_ID:24058
 FS_ID:22290
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: No permit identified for this crossing.
 FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, at an unknown depth. Siphon breaker in a 10-inch steel riser on the landside (LS) shoulder.
 FS Date: 9/10/2013

Photo 1 of 3 : UCIP_SP_2020_22290_38020.jpg



Siphon breaker in 10-inch steel riser on LS shoulder.

*** Location**

LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	5.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	5.23	Rating **	M	Issue No.	70 (cont)
LM End	5.23	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		37.675244 °	37.675244 °	
			-121.269287 °	-121.269287 °	
DWR ID	24058				

Photo 2 of 3 : UCIP_SP_2020_22290_38019.jpg



Cuts in pavement may indicate alignment of pipe at LS toe.

LM Start	5.23	Rating **	M	Issue No.	70 (cont)
LM End	5.23	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_SP_2020_22290_38018.jpg



Pipe visible at pond outlet off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Reclamation District No. 2085 Kasson

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River				0.70
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/1/2020 - 4/1/2020			
DWR Inspector	Alberto De Leon			
Accompanied By	Ralph Timan RD2085			
	Daniel de Graaf, PE Provost and Pritchard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.70	04/01/2020 04/01/2020	Alberto De Leon

LM Start	0.13	Rating **	M	Issue No.	5
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.706481 °	37.706481 °
				-121.273697 °	-121.273697 °
DWR ID	DWR_RD2085_02_f_2019_5				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.17	Rating **	M	Issue No.	3
LM End	0.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.707072 °	37.707072 °
				-121.273334 °	-121.273334 °
DWR ID	DWR_RD2085_02_s_2020_3				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.25	Rating **	M	Issue No.	2
LM End	0.25	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.708043 °	37.708043 °
				-121.272835 °	-121.272835 °
DWR ID	DWR_RD2085_02_f_2018_2				
Comment Code					
PI : Pipe					
Inspector Comment					
There is a temporary irrigation pipe on the levee crown.					

Photo 1 of 1 : SP_2020_RD2085_114_2_20200228_00001.jpg



View of pipe through levee. Fall 2019

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.70	04/01/2020 04/01/2020	Alberto De Leon

LM Start	0.35	Rating **	M	Issue No.	4
LM End	0.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.709550 °	37.709550 °
				-121.272202 °	-121.272202 °
DWR ID	DWR_RD2085_02_s _ 2020_4				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.39	Rating **	M	Issue No.	7
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.710079 °	37.710079 °
				-121.271929 °	-121.271929 °
DWR ID	DWR_RD2085_02_s _ 2020_7				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.43	Rating **	M	Issue No.	1
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.710549 °	37.710549 °
				-121.271684 °	-121.271684 °
DWR ID	DWR_RD2085_02_s _ 2019_1				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.70	04/01/2020 04/01/2020	Alberto De Leon

LM Start	0.49	Rating **	M	Issue No.	6
LM End	0.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.711365 °	37.711365 °
				-121.271241 °	-121.271241 °
DWR ID	DWR_RD2085_02_f_2019_6				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.58	Rating **	M	Issue No.	8
LM End	0.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.712498 °	37.712498 °
				-121.270548 °	-121.270548 °
DWR ID	DWR_RD2085_02_s_2020_8				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2085_114_8_20200402_00002.jpg



View of prunings on landside slope. Spring 2020

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2020 Levee Inspection Results

Reclamation District No. 2085 Kasson

Waterway			Bank	Unit Miles
Unit No. 03 San Joaquin River				0.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/1/2020 - 4/1/2020			
DWR Inspector	Alberto De Leon			
Accompanied By	Ralph Timan RD2085			
	Daniel de Graaf, PE Provost and Pritchard			

Summer & Winter Inspections

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- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

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<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	0.01	Rating **	C	Issue No.	2
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.680662 °	37.683052 °
				-121.264471 °	-121.261851 °
DWR ID	DWR_RD2085_03_f_2019_2				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.01	Rating **	C	Issue No.	3
LM End	0.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.680662 °	37.683052 °
				-121.264471 °	-121.261851 °
DWR ID	DWR_RD2085_03_f_2019_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	0.07	Rating **	M	Issue No.	4
LM End	0.07	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.681283 °	37.681283 °
				-121.263755 °	-121.263755 °
DWR ID	DWR_RD2085_03_s_2020_4				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	0.11	Rating **	M	Issue No.	5
LM End	0.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.681644 °	37.681644 °
				-121.263345 °	-121.263345 °
DWR ID	DWR_RD2085_03_s_2020_5				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.21	Rating **	M	Issue No.	1
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.682798 °	37.682798 °
				-121.262059 °	-121.262059 °
DWR ID	RD2085U03RM69.27				
Comment Code					
Inspector Comment					
Site ID: RD2085U03RM69.27					
09/17/2019: Erosion is covered by vegetation.					

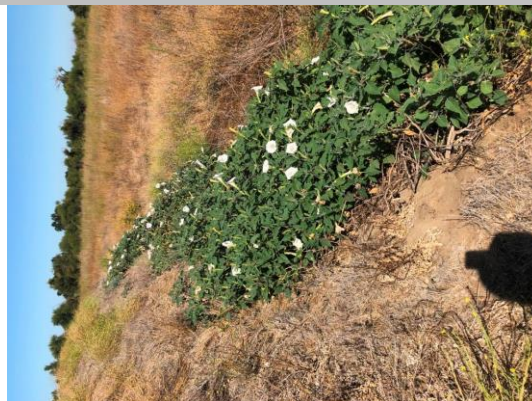
Photo 1 of 3 : SP_2020_RD2085_115_1_20200228_00001.jpg



Looking at the erosion site from levee top.

LM Start	0.21	Rating **	M	Issue No.	1 (cont)
LM End	0.21	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP_2020_RD2085_115_1_20200228_00002.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2020

Reclamation District No. 2085 Kasson

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 San Joaquin River		0.29	04/01/2020 04/01/2020	Alberto De Leon

LM Start	0.21	Rating **	M	Issue No.	1 (cont)
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR Erosion Survey		37.682798 °	37.682798 °	
			-121.262059 °	-121.262059 °	
DWR ID	RD2085U03RM69.27				

Photo 3 of 3 : SP_2020_RD2085_115_1_20200228_00003.jpg



Look upstream of the erosion.

LM Start	0.29	Rating **	M	Issue No.	6
LM End	0.29	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.683837 °	37.683837 °
				-121.261999 °	-121.261999 °
DWR ID	DWR_RD2085_03_s_2020_6				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2020_RD2085_115_6_20200402_00006.jpg



View of debris on surface of crown road. Spring 2020

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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